Input Set: **I431843A.RAW**

```
        95             275                      280                      285
        96          Thr Ile Pro Gln Pro Leu Thr Gly Pro Gly Gln Ala Asp Lys Asp Glu
        97              290                     295                     300
        98          Gly Ser Arg Asp Pro Ser Gln Glu Ala Gly Thr Gln Gly Arg Thr Cys
        99          305                     310                     315                 320
       100          Gly Ser Gly Arg Asp Leu Ser Gly Asp Ser Gly Thr Ala Glu Asp Pro
       101                              325                     330                 335
       102          Ser Leu Leu Asn Thr Lys Pro Ser Asp Gly Gly Thr Leu Asp Gly Asn
       103                          340                     345                 350
       104          Gln Arg Asp Glu Ala Lys Ser Leu Ser Pro Lys Glu Ser Lys Lys Arg
       105                  355                     360                     365
       106          Lys Leu Glu Gly Asn Arg Gln Glu Gln Val Pro Gly Glu Ala Asp Pro
       107              370                     375                     380
       108          Gln Gly Val Ser Glu Val Glu Lys Ile Ala Leu Asn Leu Glu Glu Cys
       109          385                     390                     395                 400
       110          Ala Leu Ser Pro Ile Ser Gln Glu Pro Arg Glu Ala Glu Pro Pro Cys
       111                              405                     410                 415
       112          Pro Val Ala Arg Val Ala Asn Glu Val Arg Lys Arg Arg Lys Val Glu
       113                          420                     425                 430
       114          Glu Gly Ala Glu Gly Asp Gly Val Val Ser Asn Thr Gln Met Gln Ala
       115                  435                     440                     445
       116          Ser Ala Leu Pro Pro Thr Pro Ser Glu Cys Pro Glu Ala Gln Lys Asp
       117              450                     455                     460
       118          Gly Asn Gly Pro Glu Asp Ser Asn Ser Gln Val Gly Ala Glu Asp Ser
       119          465                     470                     475                 480
       120          Lys Ser Gln Val Gly Pro Glu Asp Pro Asn Ser Gln Val Gly Leu Glu
       121                              485                     490                 495
       122          Asp Pro Asn Ser Gln Val Gly Pro Glu Asp Pro Asn Ser Gln Val Gly
       123                          500                     505                 510
       124          Pro Glu Asp Pro Asn Ser Gln Val Gly Pro Glu Asp Pro Asn Ser Gln
       125                  515                     520                     525
       126          Val Gly Pro Glu Asp Pro Asn Ser Gln Val Val Gly Pro Glu Gln Ala
       127              530                     535                     540
       128          Ala Ser Lys Ser Pro Val Glu Asp Pro Asp Ser Asp Thr Met Gly Thr
       129          545                     550                     555                 560
       130          Ser Val Asp Glu Ser Glu Glu Leu Ala Arg Ile Glu Ala Ser Ala Glu
       131                              565                     570                 575
       132          Pro Pro Lys Pro
       133                      580
       134     <210> SEQ ID NO 3
       135     <211> LENGTH: 987
       136     <212> TYPE: DNA
       137     <213> ORGANISM: Rattus norvegicus
       138     <400> SEQUENCE: 3
       139          cattgggccg acgtcgcatg ctcctctaga ctcgaggaat tcgggcccca gggtgtctct 60
       140          gaggtagaga aaattgccct taaccttgag gagtgtgccc ttagccctat cagccaggag 120
W-->   141          cccagggagg stgaaccgcc ctgtcctgtg gccagggtgg ctanaatgag gtaagaaang 180
W-->   142          cggnaggaag gtggaggaag gggctgaggg tgnatggagt agtcagtaac actyaaatgn 240
       143          caggccagtg ccctgcctcc taccccttca gagtgtcctg aggcccaaaa ggatgggaat 300
       144          gggccagagg actcaaacag ccaggttggg gcagaggatt ccaaaagcca ggtggggccg 360
```

See item 10 on Error Summary Sheet

```
     145        gaggatccaa acagccaggt ggggctggag gacccaaaca gccaggtcgg gccagaggac 420
     146        ccaaacagcc aggtcgggcc agaggaccca aacagccagg tcgggccaga ggacccaaac 480
     147        agccaggtcg ggccagagga cccaaacagc caggtggtgg ggccagagca agctgcctct 540
W--> 148        aagagccctg tgganggacc ctgactctga cactatggga acctcagtgg atgagtcaga 600
W--> 149        ggagttggca aggattgagg cntytgctga acccccaaag ccttagaggt gcatttcagt 660
     150        cctactcagc ccactgcagg gggtttctga gtccagagct ctgccgtagg ctcttcttgg 720
     151        tgccccacag tgctggcctc tccctastgg tcactgaggt ggccaccaga gggactgagg 780
     152        ccctgccctc agggaaggcc aaggccttca gaaccctcct tacctcactg tgtcctcctc 840
     153        cactgccctc tgagccctgc gttgtgatca gaccctaagg gtctagaggg aggggcctct 900
     154        tcattagtct ggtgccaagt gaggcctttt ctgaataaac tctttagact ttgtcaaaaa 960
     155        aaaaaaaaaa aaaaaaaaaa aaaaaaa                                    987
     156   <210> SEQ ID NO 4
     157   <211> LENGTH: 2290
     158   <212> TYPE: DNA
     159   <213> ORGANISM: Homo sapiens
     160   <400> SEQUENCE: 4
     161        tagaattcag cggccgctga attctagccg agcatggacg accccgactg cgactccacc 60
     162        tgggaggagg acgaggagga tgcggaggac gcggaggacg aggactgcga ggacggcgag 120
     163        gccgccggcg cgagggacgc ggacgcaggg gacgaggacg aggagtcgga ggagccgcgg 180
     164        gcggcgcggc ccagctcgtt ccagtccaga atgacagggt ccagaaactg gcgagccacg 240
     165        agggacatgt gtaggtatcg gcacaactat ccggatctgg tggaacgaga ctgcaatggg 300
     166        gacacgccaa acctgagttt ctacagaaat gagatccgct tcctgcccaa cggctgtttc 360
     167        attgaggaca ttcttcagaa ctggacggac aactatgacc tccttgagga caatcactcc 420
     168        tacatccagt ggctgtttcc tctgcgagaa ccaggagtga actggcatgc caagcccctc 480
     169        acgctcaggg aggtcgaggt gtttaaaagc tcccaggaga tccaggagcg gcttgtccgg 540
     170        gcctacgagc tcatgctggg cttctacggg atccggctgg aggaccgagg cacgggcacg 600
     171        gtgggccgag cacagaacta ccagaagcgc ttccagaacc tgaactggcg cagccacaac 660
     172        aacctccgca tcacacgcat cctcaagtcg ccgtgtgagc tgagcctcga gcacttccag 720
     173        gcgccactgg tccgcttctt cctggaggag acgctggtgc ggcgggagct gccgggggtg 780
     174        cggcagagtg ccctggacta cttcatgttc gccgtgcgct gccgacacca gcgccgccag 840
     175        ctggtgcact tcgcctggga gcacttccgg ccccgctgca agttcgtctg gggccccaa 900
     176        gacaagctgc ggaggttcaa gcccagctct ctgccccatc cgctcgaggg ctccaggaag 960
     177        gtggaggagg aaggaagccc cggggacccc gaccacgagg ccagcaccca gggtcggacc 1020
     178        tgtgggccag agcatagcaa gggtgggggc agggtggacg aggggcccca gccacggagc 1080
     179        gtggagcccc aggatgcggg accccctggag aggagccagg gggatgaggc agggggccac 1140
     180        ggggaagata ggccggagcc cttaagcccc aaagagagca agaagaggaa gctggagctg 1200
     181        agccggcggg agcagccgcc cacagagcca ggccctcaga gtgcctcaga ggtggagaag 1260
     182        atcgctctga atttggaggg gtgtgccctc agccagggca gcctcaggac ggggacccag 1320
     183        gaagtgggcg gtcaggaccc tggggaggca gtgcagccct gccgccaacc cctgggagcc 1380
     184        agggtggccg acaaggtgag gaagcggagg aaggtggatg agggtgctgg ggacagtgct 1440
     185        gcggtggcca gtggtggtgc ccagaccttg gcccttgccg ggtcccctgc cccatcgggg 1500
     186        caccccaagg ctggacacag tgagaacggg gttgaggagg acacagaagg tcgaacgggg 1560
     187        cccaaagaag gtacccctgg gagcccatcg gagaccccag gccccagccc agcaggacct 1620
     188        gcaggggacg agccagccga gagcccatcg gagaccccag gcccccgccc ggcaggacct 1680
     189        gcaggggacg agccagccga gagcccatcg gagaccccag gccccagccc ggcaggacct 1740
     190        acaagggatg agccagccga gagcccatcg gagaccccag gcccccgccc ggcaggacct 1800
     191        gcaggggacg agccagccga gagcccatcg gagaccccag gcccccgccc ggcaggacct 1860
     192        gcaggggacg agccagccga gagcccatcg gagaccccag gccccagccc ggcaggacct 1920
     193        acaagggatg agccagccaa ggcgggggag gcagcagagt tgcagkacgc agaggtggag 1980
                tcttctgcca agtctgggaa gccttaagga aaggagtgcc cgtcggcgtc ttggtcctcc 2040
```

Item 10

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

✓ FYI

```
                                                       Input Set: I431843A.RAW

Line  ? Error/Warning                             Original Text
----- - ----------------------------------------- ----------------------------------------
  141 W "N" or "Xaa" used: Feature required       cccagggagg stgaaccgcc ctgtcctgtg gccagggt
  142 W "N" or "Xaa" used: Feature required       cggnaggaag gtggaggaag gggctgaggg tgnatgga
  148 W "N" or "Xaa" used: Feature required       aagagccctg tgganggacc ctgactctga cactatgg
  149 W "N" or "Xaa" used: Feature required       ggagttggca aggattgagg cntytgctga acccccaa
  707 W "N" or "Xaa" used: Feature required       tagaattcag cggccgctga attctagccg agcatgga
```